

# PATENT ABSTRACTS OF JAPAN

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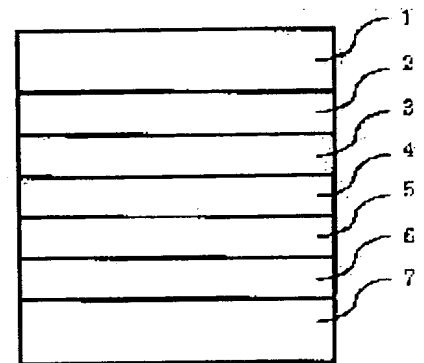
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## (54) MAGNETO-OPTICAL RECORDING MEDIUM

### (57)Abstract:

**PURPOSE:** To improve the quality of a reproduced signal by transferring information recorded in a recording layer to a readout layer excellent in reproducing performance and reproducing the information from the readout layer.

**CONSTITUTION:** A discoid polycarbonate resin substrate is used as a substrate 1, an AlSiN film is formed as a 1st transparent dielectric layer 2 and a readout layer 3 is formed using a discoid GdFeCo alloy as a target. A recording layer 5 is then formed using a discoid TbFeCo alloy as a target. The layers 5, 3 are formed as a magnetically coupled multilayered film and a middle layer 4 of a nonmagnetic alloy consisting of at least one among Cu, Au, Ag, Pt and Pd and at least one among V, Cr, Mn, Zn, Y, Zr, Mo, Ru, Rh, Sn, W, Re, Pb, Fe, Co, Ni and Gd and Tb as magnetic rare earth metals is interposed between the magnetic layers. Information recorded in the recording layer 5 is transferred to the readout layer 3 and this information is satisfactorily reproduced from the readout layer 3.



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